



1st Congress of the Deep Brain Stimulation Society & celebrating the 30th anniversary of STN DBS

Grenoble 22-23 June 2023

World Trade Center



Abstract submission: March 17th, 2023

Early bird registration: April 14th, 2023

<http://www.dbssociety.org>

Information:

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Organizing Committee

Prof. Elena Moro (Grenoble)

Prof. Abdelhamid Benazzouz (Bordeaux)

Prof. Yasin Temel (Maastricht)

Prof. Stephan Chabardes (Grenoble)

Dr. Lee Wei Lim (Hong Kong)

Council of DBS Society

President: Abdelhamid Benazzouz (France)

Vice-president: Yasin Temel (The Netherlands)

Treasurer: Elena Moro (France)

Secretary: LeeWei Lim (Hong Kong)

Member: Paulo Henrique de Aguiar (Brazil)

Member: Ersoy Kocabicak (Turkey)

Member: Metin Sitti (Germany)

Scientific Program

Day 1: 22 June 2023 (Thursday)

08:00 - 08:30 Registration

08:30 - 08:45 Welcome and Introduction

Abdelhamid Benazzouz (President of the DBS Society)

Stéphan Chabardès & Elena Moro (Chairs of the Local Organizing Committee)

Session 1: Rethinking the beginning of DBS

Chairs: *Hagai Bergman (Israel) & Valérie Fraix (France)*

08:45 - 09:10 The non-human primate: a critical piece of the STN DBS puzzle

Abdelhamid Benazzouz (France)

09:10 - 09:35 From ventriculography to MRI-based targeting

Stephan Chabardès (France)

09:35 - 10:00 A new hope for the therapy of Parkinson's disease

Patricia Limousin (UK)

10:00 - 10:25 Finding optimal DBS targets in Tourette's syndrome

Veerle Visser-Vandewalle (Germany)

10:25 - 10:40 Discussion

10:40 - 11:00 Coffee break

Session 2: Tuning DBS from animal models

Chairs: *Brigitte Piallat (France) & Yasin Temel (The Netherlands)*

11:00 - 11:25 DBS in rodents

Yasin Temel (The Netherlands)

11:25 - 11:50 DBS in animal models of addiction

Christelle Baunez (France)

11:50 - 12:15 DBS in animal models of depression

Clement Hamani (Canada)

12:15 - 12:30 Discussion

12:30 – 14:00 Lunch & Poster Session I: *Paulo Henrique Aguiar (Brazil), Okan Dogu (Turkey), Stéphan Thobois (France)*

Session 3: Focus on DBS in neurological disorders

Chairs: *Günther Deuschl (Germany) & Paulo Roberto Franceschini (Brazil)*

14:00 - 14:25 DBS in Parkinson's disease

Elena Moro (France)

14:25 – 14:50 DBS in Dystonia

Andrea Kuhn (Germany)

14:50 - 15:15 DBS in Tremor

Rubens Cury (Brazil)

15:15 - 15:40 DBS in Epilepsy

Kai Lehtimäki (Finland)

15:40 – 16:00 Discussion

16:00 - 16:30 Coffee Break & Poster Session I: Paulo Henrique Aguiar (Brazil), Okan Dogu (Turkey), Stéphane Thobois (France)

Session 4: Focus on DBS in psychiatry

Chairs: Paul Krack (Switzerland) & Adriana Lopez Rios (Columbia)

- 16:30 – 16:55 DBS in Alzheimer's disease
Andres Lozano (Canada)
- 16:55 – 17:20 DBS in obsessive-compulsive disorder
Mircea Polosan (France)
- 17:20 – 17:45 DBS in depression
Volker Coenen (Germany)
- 17:45 - 18:00 Discussion

18:00 – 19:00 DBS Society General Assembly

19:00 - 22:00 Opening Ceremony

Day 2: 23 June 2023 (Friday)

Session 5: Revamping imaging and neurophysiology in DBS

Chairs: Birte Forstmann (The Netherlands) & Vladimira Vuletic (Croatia)

- 09:00 - 09:25 Connectomics and DBS
Andreas Horn (USA)
- 09:25 - 09:50 TMS and DBS
Siebner Hartwig (Denmark)
- 09:50 - 10:15 PET Imaging and DBS
Nicola Pavese (UK)
- 10:15 - 10:40 Using neuroimaging and neurophysiology for programming
Maria Fiorella Contarino (The Netherlands)
- 10:40 – 11:00 Discussion

11:00 – 11:20 Coffee Break

Session 6: "Open-space" DBS

Chairs: Alfonso Fasano (Canada) & Joohi Jimenez-Shahed (USA)

- 11:20 – 11:45 DBS in Pain and Headache
Denys Fontaine (France)
- 11:45 – 12:10 DBS in behavioral disorders
Cristina V. Torres (Spain)
- 12:10 – 12:30 Adaptive DBS
Alberto Priori (Italy)
- 12:30 – 12:45 Discussion

12:45 – 14:00 Lunch & Poster Session II: Darco Chudy (Croatia), Ersoy Kocabicak (Turkey), Lee Wei Lim (Hong Kong)

Session 7: Computation and technology: Expanding DBS horizons

Chairs: Alfons Schnitzler (Germany) & Philip Starr (USA)

- 14:00 - 14:25 Emerging technology for DBS
Sara Marceglia (Italy)
- 14:25 - 14:50 Computational models in DBS
Cameron McIntyre (USA)
- 14:50 - 15:15 Nanotechnology for DBS
Ali Jahanshahi (The Netherlands)
- 15:15 – 15:30 Discussion

Session 8: Controversies in DBS

Chairs: Angelo Antonini (Italy) & Paresh Doshi (India)

- 15:30 – 15:55 DBS with or without GA/microrecording
With: *Joachim Krauss (Germany)*
Without: *Ludvic Zrinzo (UK)*

- 15:55 – 16:20 Is DBS neuroprotective?
Yes: *Ozgur Onur (Germany)*
No: *Michael Okun (USA)*

- 16:20 – 16:45 Will DBS be the leading surgical treatment in the next decade?
Yes: *Jens Volkmann (Germany)*
No: *Jean Regis (France)*

16:45 – 17:00 Closing remarks